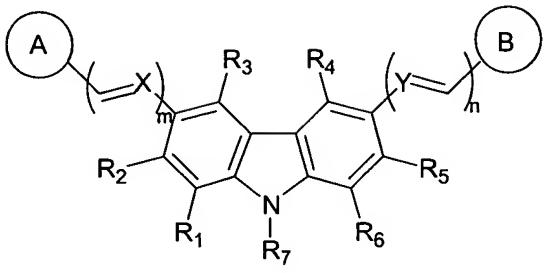
WHAT IS CLAIMED IS:

1. A compound of formula:



,

wherein

each of rings A and B, independently, is heteroaryl containing at least one nitrogen atom;

each of X and Y, independently, is CH or N;

each of R_1-R_6, independently, is H, C_1-C_8 alkyl, C_2-C_8 alkenyl, C_2-C_8 alkynyl, C_3-C_8 cycloalkyl, C_3-C_8 heterocycloalkyl, aryl, heteroaryl, OH, C_1-C_6 alkoxy, aryloxy, heteroaryloxy, NH_2, C_1-C_6 alkylamino, C_1-C_{12} dialkylamino, arylamino, diarylamino, or halogen;

R_7 is H, C_1-C_8 alkyl, C_2-C_8 alkenyl, C_2-C_8 alkynyl, C_3-C_8 cycloalkyl, C_3-C_8 heterocycloalkyl, aryl, heteroaryl; and

each of m and n, independently, is 1, 2, or 3.

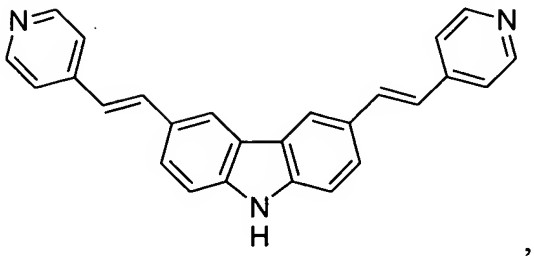
2. The compound of claim 1, wherein each of rings A and B is heteroaryl containing one or two nitrogen atoms.

3. The compound of claim 2, wherein each of m and n is 1.

4. The compound of claim 3, wherein each of R_1-R_7 is H.

5. The compound of claim 4, wherein each of X and Y is CH.

6. The compound of claim 5, wherein the compound is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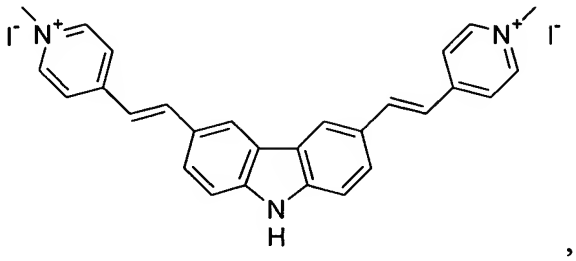
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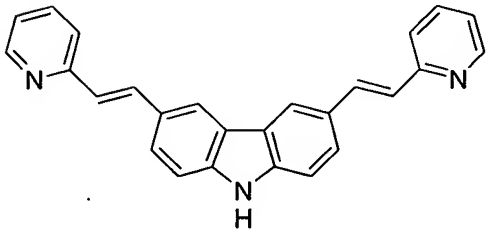
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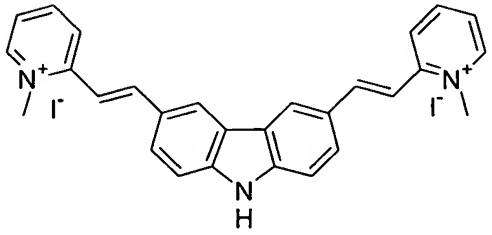
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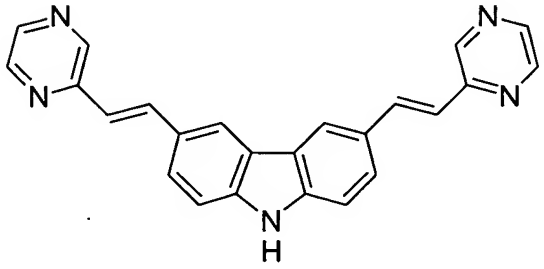
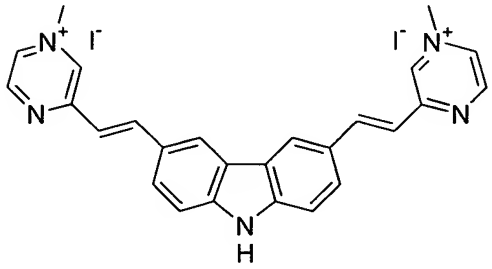
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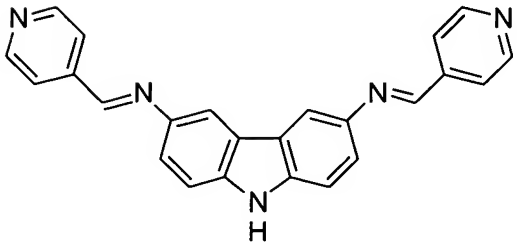
7. The compound of claim 4, wherein each of X and Y is N.

8. The compound of claim 7, wherein the compound is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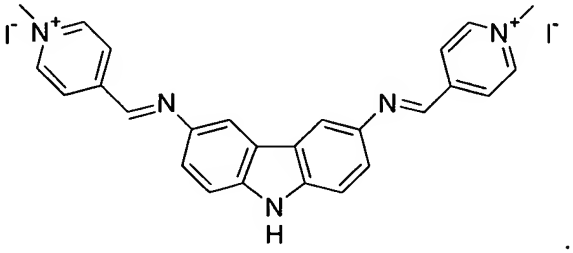
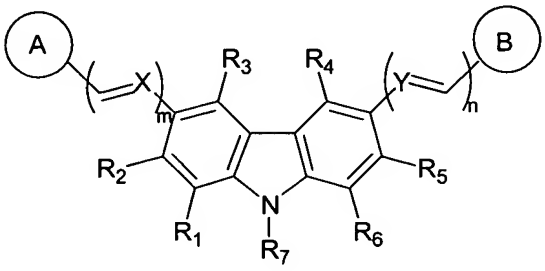


9. The compound of claim 1, wherein each of m and n is 1.

10. The compound of claim 9, wherein each of R_1-R_7 is H.

11. The compound of claim 1, wherein each of R_1-R_7 is H.

12. A method for stabilizing a G-quadruplex of a telomere, comprising contacting a telomere with a compound of the formula:



,

wherein

each of rings A and B, independently, is heteroaryl containing at least one nitrogen atom;

each of X and Y, independently, is CH or N;

each of R_1-R_6, independently, is H, C_1-C_8 alkyl, C_2-C_8 alkenyl, C_2-C_8 alkynyl, C_3-C_8 cycloalkyl, C_3-C_8 heterocycloalkyl, aryl, heteroaryl, OH, C_1-C_6 alkoxy, aryloxy, heteroaryloxy, NH_2, C_1-C_6 alkylamino, C_1-C_{12} dialkylamino, arylamino, diarylamino, or halogen;

R_7 is H, C_1-C_8 alkyl, C_2-C_8 alkenyl, C_2-C_8 alkynyl, C_3-C_8 cycloalkyl, C_3-C_8 heterocycloalkyl, aryl, heteroaryl; and

each of m and n, independently, is 1, 2, or 3.

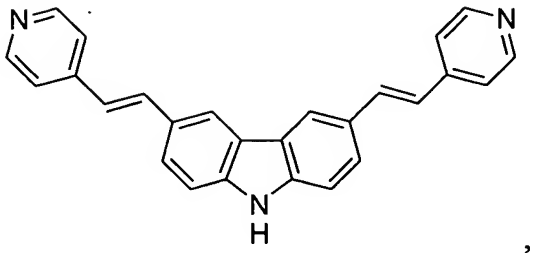
13. The method of claim 12, wherein each of rings A and B is heteroaryl containing one or two nitrogen atoms.

14. The method of claim 13, wherein each of m and n is 1.

15. The method of claim 14, wherein each of R_1-R_7 is H.

16. The method of claim 15, wherein each of X and Y is CH.

17. The method of claim 16, wherein the compound is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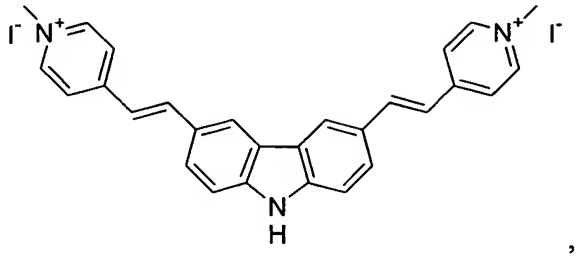
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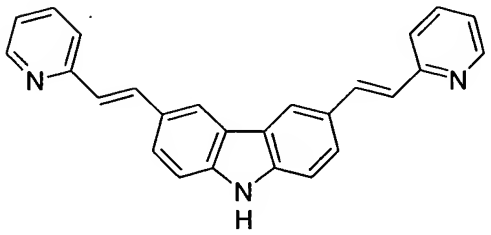
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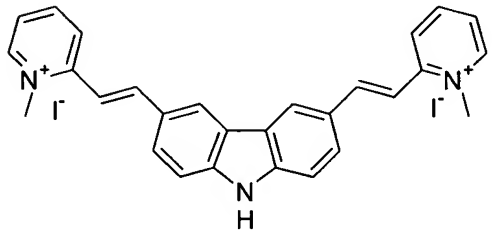
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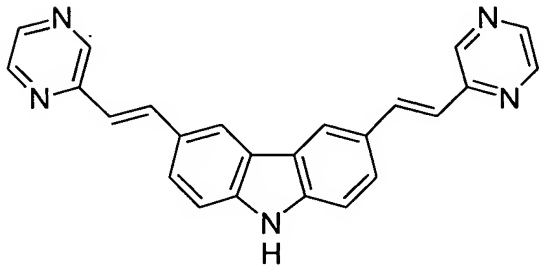
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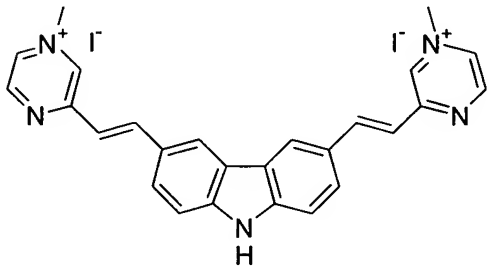
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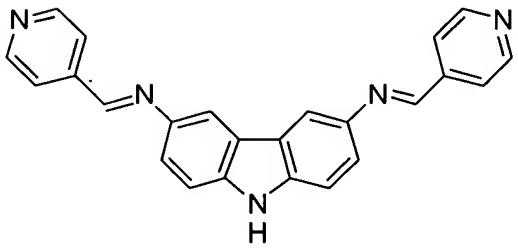
18. The method of claim 15, wherein each of X and Y is N.

19. The method of claim 18, wherein the compound is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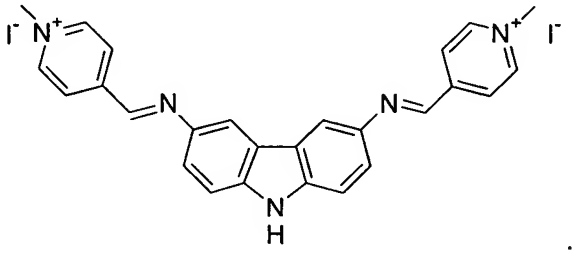
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20. The method of claim 12, wherein each of m and n is 1.

21. The method of claim 20, wherein each of R_1-R_7 is H.

22. The method of claim 12, wherein each of R_1-R_7 is H.